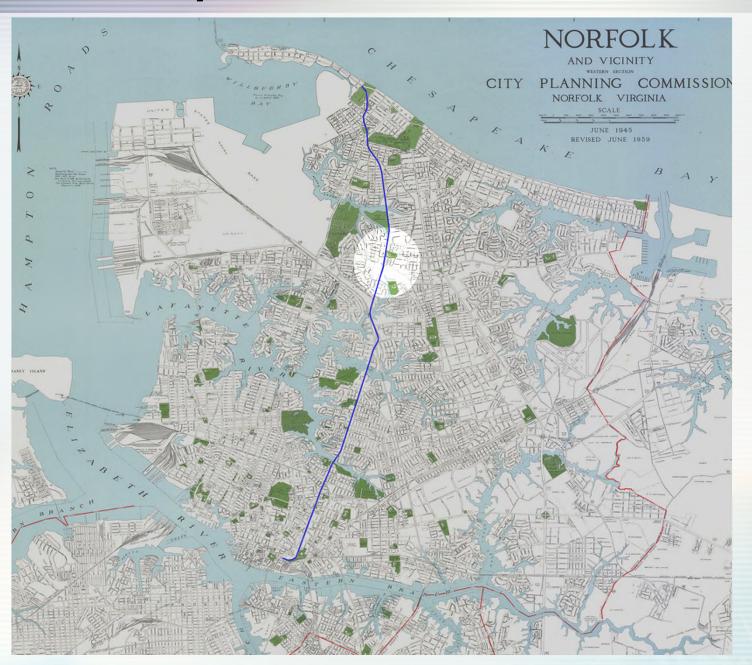


Rehabilitation of Tidewater Drive Underpass and Little Creek Road Bridge

Tidewater Dr./Little Creek Rd. Intersection

- Rehabilitation of Tidewater Drive underpass and replacement of Little Creek bridge is needed to improve aging infrastructure
- Existing bridge and underpass were constructed in the late 1950's
- Construction is scheduled to begin in January, 2014 and take 8-10 months to complete (major road closures limited to 4-5 months)
- Estimated construction cost: \$4.4 Million

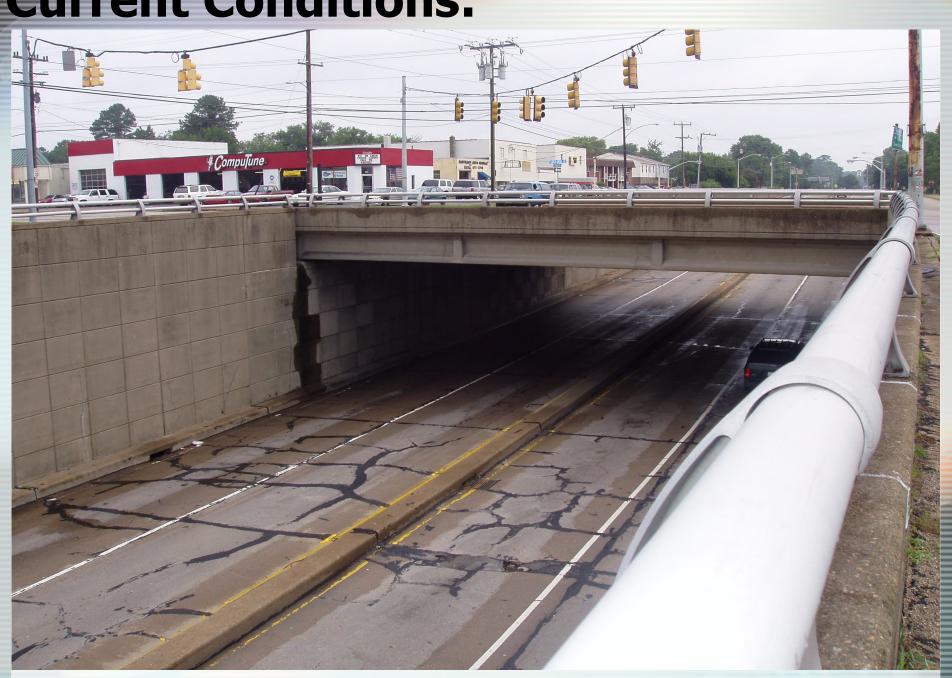
Tidewater Dr./Little Creek Rd. circa 1959



History of the Intersection

- Tidewater Drive was originally constructed as a primary thoroughfare prior to interstate
- Increase in traffic volume due to construction of the first half of the Hampton Roads Bridge Tunnel. Underpass was constructed in the late 1950's
- As a thoroughfare, emphasis was given to moving traffic along Tidewater Drive, resulting in grade-separated interchanges

Current Conditions:



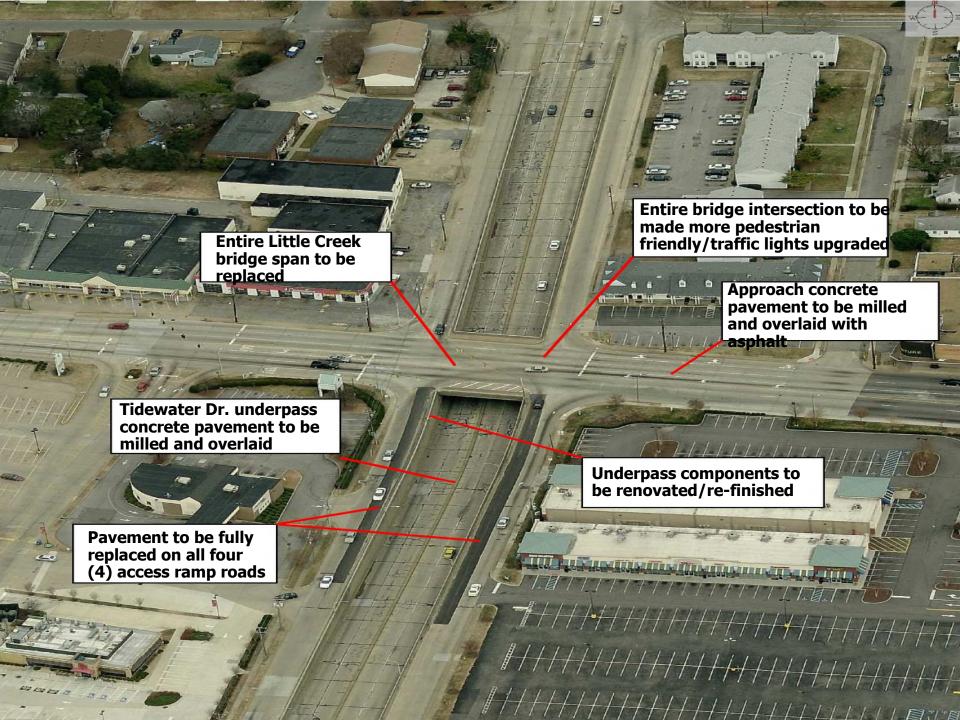
Current Conditions:

- Little Creek Bridge deck deteriorating, in need of replacement; was constructed in late 1950's
- Traffic signals are overdue for replacement and improvement; new signals are needed at most traffic points
- Heavily worn structural road bed thru underpass
 - Thick reinforced concrete base slabs
- Joint Repairs along the concrete walls are required; joint materials are old and deteriorating
- Deterioration of feeder ramp roads
- Old and deteriorating concrete medians
- Stormwater Pump Station being overhauled as part of a separate project during Winter-Spring, 2013

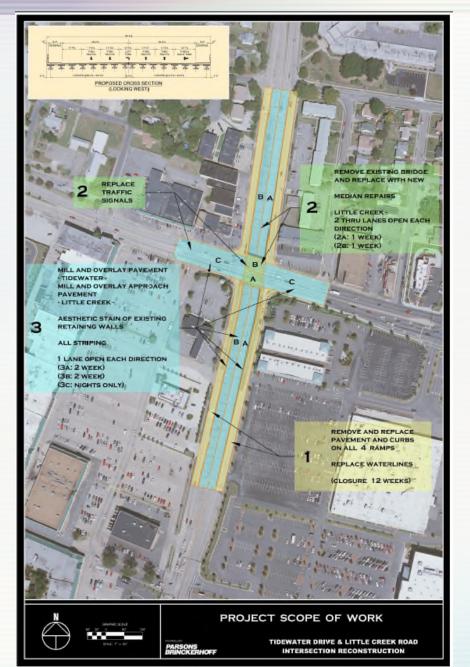
Planned Renovations:

The following work will be done as part of the underpass renovation project:

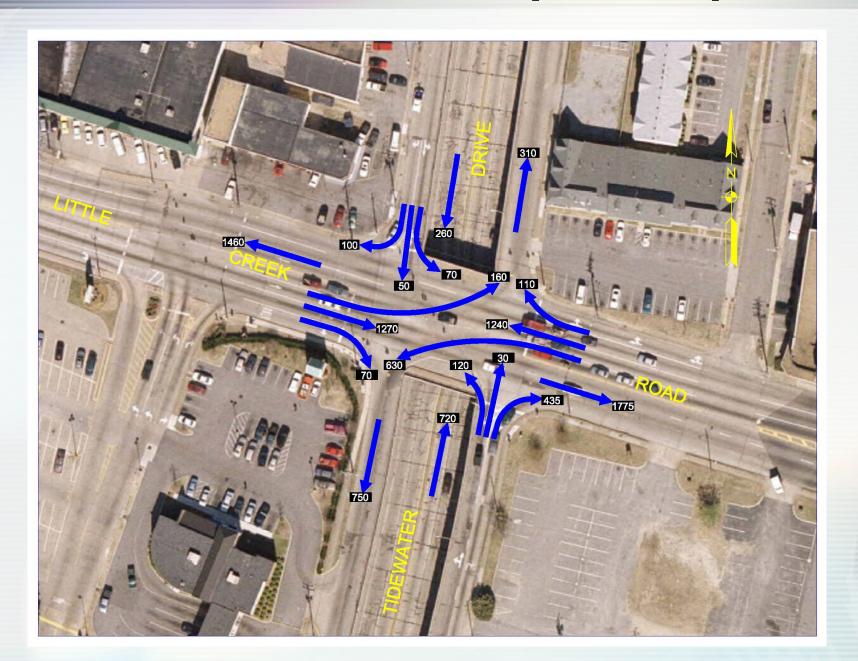
- Replace the Little Creek Rd. bridge deck
- Rehabilitate underpass concrete walls and resurface the Tidewater Drive pavement
- Replace water main around intersection
- Replace pavement on all four access ramps leading to & from Tidewater Drive
- Replace all traffic signals at intersection
- Improve Stop conditions for Little Creek
 Rd. to Tidewater Drive NB and SB ramps
- Make the entire intersection more pedestrian/bike friendly



Planned Renovations:



Current Traffic Counts (PM hourly volumes)



Traffic Detouring:

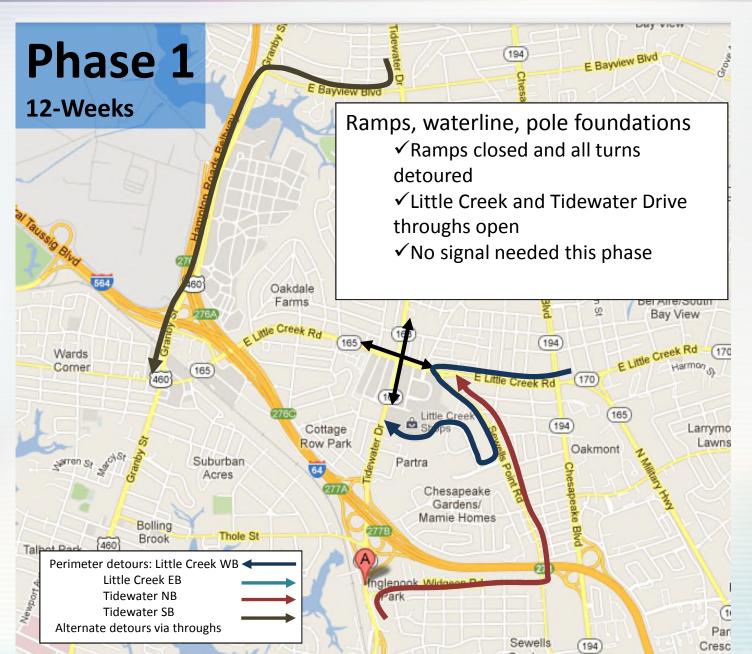
- The only significant detour will be for closure of access/turning ramps (10-14 weeks)
- Thru-traffic on Tidewater and Little Creek will remain fully open during closure of ramps
- Southbound on Tidewater, north of Little Creek:
 - Traffic wishing to travel east on Little Creek will be detoured east onto Bayview Ave. to Chesapeake Blvd.
 - Traffic wishing to travel west on Little Creek will be detoured west onto Bayview Ave. to Granby Street, or onto I-64 up to Little Creek

Traffic Detouring:

Northbound on Tidewater, south of Little Creek:

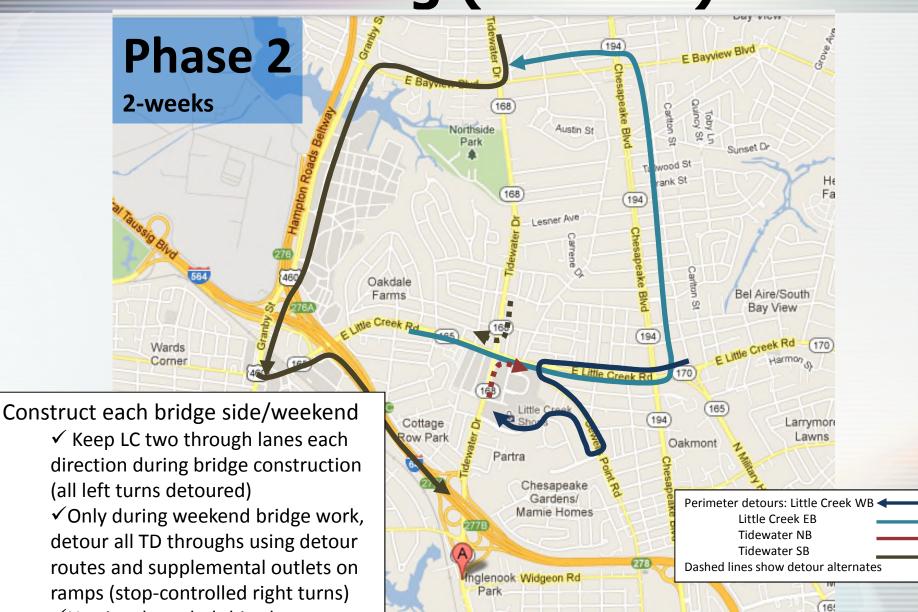
- -Traffic wishing to travel west on Little Creek will be detoured west onto Thole St. then to Granby St.
- -Traffic wishing to travel east on Little Creek will be detoured either east onto Widgeon Rd. or east on Central Park Business Dr. to Sewell's Point Rd.
- Local business traffic will still enter the intersection and be detoured locally

Traffic Detouring (Phase 1):



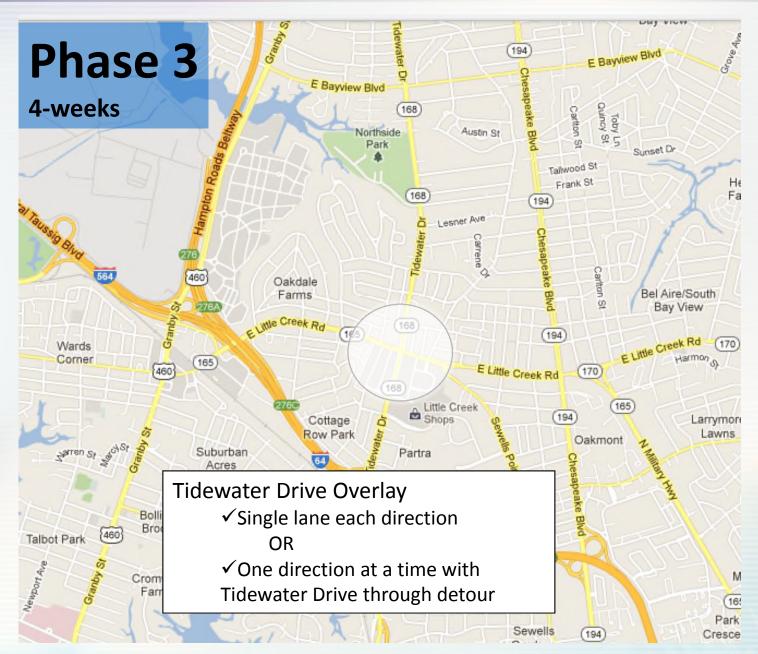
Traffic Detouring (Phase 2):

✓ No signal needed this phase



Park Cresce

Traffic Detouring (Phase 3):



Project Schedule:

- Design is 30% complete (Oct. 2012)
- Scheduled to advertise Construction bids in Summer, 2013
- Construction scheduled to start in January, 2014, avoiding major holiday shopping season at end of 2013
- Full construction to take 8-10 months
- Goal is to finish major construction before holiday shopping season, 2014

Project Funding Summary:

 Design and construction are fully funded; 50% Revenue Sharing with VDOT

Description	Amount
Total estimated underpass renovation construction cost	\$4.4 Million
VDOT Revenue Sharing Funds	\$2.2 Million
City CIP funding match	\$2.2 Million

Additional 2013 Tidewater Dr. Work:



Conceptual Rendering: Renovation



Questions / Concerns:

Group discussion